

VLASOV, I.I., kand. istor. nauk, dots.; ABEYDULLIN, S.K., kand. ist.nauk, dots. polkovnik; KOVALEV, S.S., kand. ist.nauk, dots., polkovnik; SHAYDAYEV, M.G., kand. ist.nauk, dots., polkovnik; SHCHEDRUNOV, V.F., kand. ist.nauk, dots.; CHEBUSHEV, I.V., polkovnik, red.; KUZ'MIN, I.F., tekhn. red.

[Party and political work in the Soviet Armed Forces; a textbook for military schools] Partiino-politicheskaia rabota v Vooruzhennykh Silakh SSSR; uchebnoe posobie dlia voennykh uchilishch. Moskva, Voen. izd-vo M-va oborony SSSR, 1961. 294 p. (MIRA 14:12)
(Russia--Armed Forces--Political activity)

NANA, A.; TOADER, K.; CHEBYKA, K.

Disease of the gall bladder neck. Khirurgia 36 no.4:60-63 Ap
'60. (MIRA 13:12)

(GALL BLADDER—DISEASES)

CHEBYKIN, A. A.

Rostovskii glubokovodny i kanal bez "zagraditel'-nykh" Azovskikh sooruzhenii. [Rostov
deep-water canal without the "obstructing" Azov installations]. (Vodny i transport,
1928, v. 6, no. 12, p. 401-408).
DLC: HE561.R8

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

CHEBYKIN, A. M.

"Magnesium-Alcohol Analgesia (A Clinicoexperimental Investigation)." Cand Med Sci, Tashkent State Medical Inst imeni V. M. Molotov, Tashkent, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

CHEBYKIN, D.A.

Formation of conditioned motor response to a temperature stimulus during the early stage of postnatal ontogenesis in mice. Trudy Inst. fiziol. 5:192-200 '56. (MLRA 10:1)

1. Laboratoriya eksperimental'noy genetiki vysshey nervnoy deyatel'nosti, saveduyushchiy - V.K.Krasuskiy i Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti, saveduyushchiy - V.A. Troshikhin.

(CONDITIONED RESPONSE)

(TEMPERATURE--PHYSIOLOGICAL EFFECT)

CHEBYKIN, D.A.

Delayed motor food reflexes in dogs in experiments with frequent use of a conditioned stimulus. Nauch. soob. Inst. fiziol. AN SSSR no.1:78-80 '59.
(MIRA 14:10)

1. Laboratoriya sravnitel'noy fiziologii vysshey nervnoy deyatel'nosti (zav. - B.V.Pavlov) Instituta fiziologii imeni Pavlova AN SSSR.
(CONDITIONED RESPONSE)

BAKH, A.V.; BOLOTINA, O.P.; KRASUSKAYA, N.A.; LUKINA, Ye.V.; PAVLOV, B.V.;
PRAZDNIKOVA, N.V.; SAP'YANTS, V.I.; CHEBYKIN, D.A.

Material on a study of the dynamics of conditioned reflex activity
of representatives of certain classes of vertebrates. Trudy Inst.
fiziol. 8:99-106 '59.
(MIRA 13:5)

1. Laboratoriya sravnitel'noy fiziologii vysshey nervnoy deyatel'-
nosti (zaveduyushchiy - B.V. Pavlov) Instituta fiziologii im. I.P.
Pavlova AN SSSR.
(NERVOUS SYSTEM--VERTEBRATES) (CONDITIONED RESPONSE)

BURDINA, V.N.; KRASUSKIY, V.K.; CHEBYKIN, D.A.

Problem of the dependence of the formation of the higher nervous activity in dogs on the conditions of training during ontogenesis. Zhur. vys. nerv. deiat. 10 no. 3:427-433 My-Je '60. (MIRA 14:2)

1. Laboratory of Experimental Genetics of Higher Nervous Activity, Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.
(TEMPERAMENT)

BARU, A.V.; BOLOTINA, O.P.; PAVLOV, B.V.; PRAZDNIKOVA, N.V.; SAF'YANTS,
V.I.; CHEBYKIN, D.A.

Influence of alimentary excitability, and the size and quality of
alimentary reinforcement on the conditioned reflex activity of
representatives of some classes of vertebrates (fishes, birds,
and mammals). Trudy Inst. fiziol. 9:274-284 '60. (MIRA 14:3)

1. Laboratoriya sravnitel'noy fiziologii vysshey nervnoy deyatel'nosti
(zaveduyushchiy - B.V.Pavlov) Instituta fiziologii im. I.P.Pavlova.
(CONDITIONED RESPONSE) (NUTRITION)
(VERTEBRATES)

CHEBYKIN, D.A.

Comparative characteristics of typological properties of the nervous system and general behavior in dogs. Zhur. vys. nerv. delat. 11 no.1:119-126 Ja-F '61.
(MIRA 14:5)

1. Laboratory of Experimental Genetics of Higher Nervous Activity,
Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.
(TEMPERAMENT)

CHEBYKIN, D.A.

Inhibition of the delay of motor food reflexes in dogs. Trudy
Inst. fiziol. 10:167-172 '62 (MIRA 17:3)

1. Laboratoriya sravn tel'noy fiziologii vysshey nervnoy deya-
tel'nosti (zav. - B.V. Pavlov) Institutafiziologii imeni Pavlova
AN SSSR.

PAVLOV, B.A., BARU, O.P., BOLOTINA, N.V., PRAZNIKOVA, N.V., CHEBYKIN, D.A.

"On the comparative physiology of the delayed and traced conditioned reflexes in some species of vertebrates."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

CHEBYKIN, D.A.

Behavior of animals as the expression of the reaction of the nervous system to the effect of conditioned stimulants. Based on experimental data on retarded motor reflexes in dogs. Nauch. soob. Inst.fiziol. AN SSSR no.3:167-170 '65.

(MIRA 18:5)

1. Laboratoriya sravnitel'noy fiziologii vysshey nervnoy deyatel'nosti (zav. - B.V.Pavlov) Instituta fiziologii imeni Pavlova AN SSSR.

POPOV, I.V.; CHEBYKIN, G.A., red.

[Hydrogen-cooled turbogenerators] Turbogeneratory s vodorodnym
okhlazhdeniem. Pod red. G.A.Chebykina. Moskva, Vses.in-t
nauchnoi i tekhn.informatsii, 1958. 62 p.
(Turbogenerators--Cooling) (MIRA 12:4)

VOROB'YEV, V.F., inzh.; STANISLAVSKIY, L.Ya., inzh.; CHEBYKIN, G.A., inzh.

Study of the heating-up of turbogenerator parts with direct
cooling of the copper by hydrogen. Vest. elektroprom. 32 no.7:
16-25 J1 '61. (MIRA 14:10)

(Turbogenerators--Cooling)

CHEBYKIN, G.N. (g.Polevskoy Sverdlovskoy oblasti); BELESKOV, R.I. (stantsiya
Konotop); GOTSMAN, R.B.; MEYL'MAN, M.L.

Problems on artificial earth satellites. Fiz. v shkole 18 no.3:80-84
My-Je '58. (MIRA 11:4)

1. Severo-Kasakhskiy pedagogicheskiy institut, Petropavlovsk (for
Gotsman). 2. 612-ya srednyaya shkola, Moskva (for Meyl'man).
(Artificial satellites--Problems, exercises, etc.)

CHEBYKIN, I.

"Jokers." Okhr. truda i sots. strakh. 5 no.7:29 J1 '62.
(MIRA 15:7)
1. Predsedatel' rabocheho komiteta V.-Ustyugskogo lesnogo
promyshlennogo khozyaystva, g. V.-Ustyug Vologodskoy oblasti.
(INDUSTRIAL HYGIENE--AUDIO-VISUAL AIDS)

CHEBYKIN, I. M.

AID P - 3899

Subject : USSR/Medicine

Card 1/2 Pub. 37 - 3/21

Authors : Il'inskiy, I. I., Scientific Worker, M. I. Zimina,
Chemist, I. M. Chebykin, Eng.

Title : Sanitary and hygienic evaluation of the performance
of AKKh (Academy of Municipal Economy, RSFSR)
filters.

Periodical : Gig. i. san., 12, 12-16, D 1955

Abstract : Deals with AKKh filters used for the purification of
water in water-supply installations of Boz-Su, Uzbek
SSR. Describes observations conducted in 1954 and
their results. The filtrate obtained by AKKh filters
satisfies the requirements of GOST (All-Union State
Standard) 2874-54. Tables, 2 refs.

Institution : Uzbek Scientific Research Sanitary Institute and

Gig. 1. san., 12, 12-16, D 1955

AID P - 3899

Card 1/2 Pub. 37 - 3/21

Laboratory of Tashkent Municipal Water-Supply Lines,
"Vodokanal" Trust.

Submitted : F 24, 1955

ROCHEV, N.N., glav. red.; VAVILOV, P.P., red.; VERTEL', E.I., red.; GORELIK, A.I., red.; GUZMAN, I.S., red.; KUZNETSOV, G.N., red.; MEDVEDEV, G.A., red.; MODYANOV, Ya.V., red.; PANTELEYEVA, A.A., red.; POLYAKOV, V.V., red.; POPOV, S.A., red.; POPOVA, S.M., red.; RAYEVSKIY, S.S., red.; RUDAKOV, S.V., red.; SYUTKIN, A.F., red.; USOV, A.I., red.; USTINOVA, I.K., red.; SHKIL', P.T., red.; CHEBYKIN, N.P., red.; MEZENTSEV, S.A., red.; MOROZOV, V.S., red.; OPLESNIN, I.I., tekhn. red.

[Forty years of the Komi A.S.S.R., 1921-1961; studies on the cultural and economic development of the Komi Republic] 40 let Komi ASSR, 1921-1961; ocherki o razvitii ekonomiki i kul'tury Komi Respubliki. Syktyvkar, Komi knizhnoe izd-vo, 1961. 154 p. (MIRA 14:11)
(Komi A.S.S.R.—Economic conditions) (Komi A.S.S.R.—Culture)

MAZUR, V.Yu.; CHEBYKIN, V.A.

Investigating the interaction of a tugboat and a carrier during
the jerking of the tow rope. Sudorem. 1 sudostr. no.2:52-66 '63.
(MIRA 17:4)

1. Odesskiy institut inzhenerov morskogo flota.

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 156 (USSR) SOV/124-58-11-12954

AUTHOR: Chebykin, V. A.

TITLE: Determination of the Ultimate Shearing Stress Within a Nonhomogeneous Liquid of the Suspension of Colloidal-solution Type
(Opredeleniye predel'nogo napryazheniya sdviga vnutri neodnorodnoy zhidkosti tipa suspenziy i kolloidnykh rastvorov)

PERIODICAL: Dokl. AN AzerbSSR, 1958, Vol 14, Nr 5, pp 365-370

ABSTRACT: Bibliographic entry

Card 1/1

CHEBYKIN, V.A.

Experimental determination of the coefficient of viscosity
of disperse systems. Dokl. AN Azerb.SSR 14 no. 8:611-616 '58.
(MIRA 11:8)

1. Predstavleno akademikom AN AzerSSR Z.I.Khalilovym.
(Liquids--Viscosity)

DROZDOV, N.A.; BELOUSOV, G.A.; FEDOTOV, I.I.; CHEBYKIN, V.N.; ZADNEPROVSKIY, A.Ya.,
kand.tekhn.nauk, red.; BOBROVA, Ye.N., tekhn.red.

[Selection of locomotive runs and methods of servicing locomotives]
Vybor tiagovykh plekh i sposobov obsluzhivaniia lokomotivov.
Moskva, Gos.transp. zhel-dor. izd-vo, 1958. 134 p. (Moscow,
Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo
transporta. Trudy, no.158) (MIRA 12:1)
(Locomotives)

DROZDOV, N.A., kand.tekhn.nauk; CHEBYKIN, V.N., kand.tekhn.nauk

Making better use of electric and diesel locomotives for
passenger traffic. Vest.TSMII MPS 19 no.4:10-15 '60.
(MIRA 13:7)

(Electric locomotives)
(Railroads--Management) (Diesel locomotives)

RYLEYEV, G.S.; KRYUGER, P.K.; KAZAKOV, V.N.; VIL'KEVICH, B.I. Pri-
nimal uchastiye BELEN'KIY, M.N.; FEDOTOV, I.I., kand.
tekhn. nauk, retsenzent; LUGININ, N.G., kand. tekhn. nauk,
retsenzent; ~~CHEBYKIN, V.N.~~, kand. tekhn. nauk, retsenzent
[deceased]; ONISHCHENKO, I.T., kand. tekhn. nauk,
retsenzent; TELICHKO, V.G., inzh., retsenzent; ISIKOV,
Ye.N., inzh., retsenzent; ROZHDESTVENSKIY, A.S., inzh.,
retsenzent; MEDVEDEVA, M.A., tekhn. red.

[Management and operation of diesel locomotives] Teplovoz-
noe khoziaistvo. Izd.2., perer. i dop. [By] G.S.Ryleev i
dr. Moskva, Transzheldorizdat, 1963. 290 p.

(MIRA 17:3)

FADDEYEV, B.V., kand. tekhn. nauk; CHEBYKIN, V.S., gornyy inzh.

Operating procedure of walking waste stackers. Gor. zhur.
no.9:13-16 S '64. (MIRA 17:12)

1. Institut gornogo dela, Sverdlovsk (for Faddeyev).
2. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut
mednoy promyshlennosti (for Chebykin).

CHEBYKIN, V.S., inzh.

Using an electronic computer for the determination of efficient parameters of dump formation with conveyor transportation. Izv. vys. ucheb. zav.; gor. zhur. 8 no.2:110-116 '65. (MIRA 18:5)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.

ЧЕБЫКИНА Н.В.

KUZ'KOKOVA, N.N.; CHEBYKINA, N.V.

Lime resources for liming soils in Sysola District in the Komi
A.S.S.R. Trudy Komi fil. AN SSSR no.2:27-31 '54. (MLRA 9:11)

(Sysola District--Lime)

VAVILOV, P.P.; CHEBYKINA, N.V.

Effect of different green-fallow crops on the intensity of soil
respiration. Trudy Komi fil. AN SSSR no.9:33-36 '60.

(MIRA 15:1)

(GASES IN SOILS)

(FIELD CROPS)

CHEBYKINA, N.V.

Composition of the combined forms of nitrogen in the atmospheric precipitation in the region of the City of Syktyvkar. Izv. Komi fil. Geog. ob-va SSSR no.9:83-86 '64.

(MIRA 18:5)

CHEBYKINA, V.A., starshiy dessinator

Assortment of fabrics of the "Trekhgornaia Factory." Tekst.prom.
22 no.3:14 Mr '62. (MIRA 15:3)

1. Tkatskaya fabrika kombinata "Trekhgornaya manufaktura."
(Moscow---Textile fabrics)

CHEBYKINA, Z. Ye.

.....
Chebykina, Z. Ye. "Affection of the nervous system in rheumatism," Trudy Khovrin
bol'snitsy, Khovrino (Moscow Oblast), 1948, p. 96-112

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

CHEBYKOV, M.F.; P'YACHEV, V.A.

Mechanism of the action of boric anhydride on the reactions of
clinker formation. *Izv.vys.ucheb.sav.; khim.i khim tekhn.* 3
no.1:196-198 '60. (MIRA 13:6)

1. Kafedra tekhnologii tsementa Ural'skogo politekhnicheskogo
instituta imeni S.M. Kirova.
(Clinker brick) (Boron oxides)

DUCHINSKAYA, Yuliya Ivanovna; ~~CHEBYSHEV, Aleksandr Grigor'yevich~~; KISELEVA, Ye.M., kand.tekhn.nauk., retsenzent; MEYER, V.K., inzh., spetsred.; RISH, G.S., red.; TARASOVA, N.M., tekhn.red.

[Production of synthetic aromatic principles] Proizvodstvo sinteticheskikh dushistykh veshchestv. Moskva, Pishchepromizdat, 1959. 163 p. (MIRA 12:4)

(Flavoring essences)

L 41426-65

ACCESSION NR: AT5009741

UR/0000/65/000/000/0342/0353

4
B+1

AUTHOR: Shramko, L. S.; Chebyshev, A. V.

TITLE: Design of analytic adaptive systems using continuously acting elements

SOURCE: Analiticheskiye samonastroyayushchiyesya sistemy avtomaticheskogo upravleniya (Analytical adaptive control systems). Moscow, Izd-vo Mashinostroyeniye, 1965, 342-353

TOPIC TAGS: analytical adaptive system, continuously acting element, gradient method adaptation, fast adaptive system, multiparameter adaptive system

ABSTRACT: The shortness of the adaptation time is one of the main advantages of analytical adaptive systems. While sampling systems using the gradient method have an adaptation time several times longer than the duration of the transient process, systems computing the components of the gradient exhibit an adaptation time whose order of magnitude is the same as the duration of the transient. Theoretical and experimental investigations (on a two-parameter prototype utilizing a two-phase asynchronous motor) confirmed the feasibility of adaptation by means of internal signals operating within the system. This eliminates the

Cord 1/2

L 41426-65

ACCESSION NR: AT5009741

need for auxiliary probing signals, i.e., removes the additional necessary but unwanted perturbations. The gradient method with component evaluation permits the design of adaptive systems tuned simultaneously by several parameters. The article concludes with a brief comment concerning the practical realization of adaptive systems of the type described. Orig. art. has: 8 formulas, 11 figures, and 2 tables.

ASSOCIATION: None

SUBMITTED: 15Dec64

ENCL: 00

SUB CODE: IE

NO REF SOV: 002

OTHER: 000

me
Card 2/2

S/123/61/000/022/022/024
A004/A101

AUTHOR: Chebyshev, G.A.

TITLE: Engine of a shallow-draft hydrofoil craft

PERIODICAL: Referativnyy zhurnal. Mashinostroyeniye, no. 22, 1961, 10, abstract 22146 ("Sudostroyeniye", 1961, no. 7, 12 - 13)

TEXT: The author reports on the application of a little-immersed propeller mounted on the hydrofoil diesel ship "Raketa" which is successfully operated in the shallow waters of the upper Dnepr. The overall draft of the craft afloat is thus reduced from 1.85 to 1.15 m. ⁴/₅ of the propeller disks of the shallow-draft of diesel craft are located over the plane of the stern foil. When the craft is running on its foils and the immersion of the propeller is reduced from that moment when it starts sucking in atmospheric air, the propeller thrust drops. Nearly simultaneously with the transition from the gliding condition into full running on the hydrofoil, the water resistance to the ship's motion drops. At full displacement the shallow-draft diesel craft with M-50 engine develops a speed of 68 km/hour at 1,950 rpm of the propeller.
[Abstracter's note: Complete translation] N. Alekseyev

Card 1/1

CHEBYSEV, G.A., inst.

Propeller for a shallow ship with underwater wings. Sudostroyenie
27 no.7:13-13 Ul '61. (UPA 14:11)
(Planing hulls)
(Propellers)

CHEBYSHEV, G.A., inzh.

Limiting the draft and the durability of winged ships. Sudostroenie
29 no.11:5-6 N '63. (MIRA 16:12)

CHEBYSHEV, M. V.

36792. *Perspektivy razvitiya otgornogo zhibotnovodstva v Tsentral'nom Kazakhstane.*
Vestnik Akad. nauk Kazakh SSR, 1949, No. 8, c. 29 - 37.

S0: Letopis Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

CHEBYSHEV, PAFNUTII L'VOVICH

Polnoe sobranie sochinenii. Moskva, AN SSSR, 1944+ illus., port., diagr., tables. T. 1. Teoriia chisel. T. 4. Teoriia mekhanizmov.

Collected works. v. 1. Theory of numbers. v. 4. Theory of mechanisms.

DLC: QA3.C485

CLU	CU	CtY	ICU	LU	MH	MdBJ
MiU	NN	NNC	NjP	OCU	OU	WaU

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

Chebyshev, P. L. Nauchnoe nasledie. Vypusk vtoroi. Teoriya mekhanizmov. [Scientific Legacy. Part Two. Theory of Mechanisms]. Akad. Nauk SSSR, Moscow-Leningrad, 1945. 192 pp.

This issue has been edited by Artobolevskii and Levitskii who wrote the historical introduction and eulogy, the 54-page description of 41 mechanisms either mentioned in Chebyshev's papers or found in his collection of models, and a series of seven appendices (Roberts-Chebyshev theorem, tables and graphs of certain linkage performances, list of all the mechanisms and their sources). The mechanisms are predominantly linkages generating straight lines, circles, imitating animal walk or rowing motion, but they also contain a balance, a curvature gage, a continuous adding machine, and a centrifugal governor. No detailed proofs of their properties are given. There are many photographs of Chebyshev's original models. Z. S. Blokh contributes a 74-page account of Chebyshev's method, which is an abridged version of his book on this subject [see the second following review]. V. V. Debrovskii writes four pages, listing at random some ideas and devices due to Chebyshev. The reviewer believes that Chebyshev's is still the most rational semisystematic method for precision design, and thinks it regrettable that no English language account of his method is easily accessible.

A. H. Winthleider.

Source: Mathematical Reviews.

Vol 12 No 7

Some

CHEBYSHEV. P. L.

"The Theory of Mechanisms, Known under the Name of Parallelograms" Uspekhi Matemat,
Nauk 1, No 2, 1946

U-1493, 27 Sep 1951

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*Čebyšev, P. L. Polnoe Sobranie Sočinenii. [Complete Collected Works]. Izdatel'stvo Akademii Nauk SSSR, Moscow-Leningrad. Vol. 1, 1946, 342 pp.; vol. 2, 1947, 520 pp.; vol. 3, 1948, 414 pp.; vol. 4, 1948, 255 pp. Vol. 1 contains papers on number theory and is reprinted from the edition of 1944 [these Rev. 6, 254]. Vols. 2 and 3 contain papers on analysis and vol. 4 contains papers on the theory of mechanisms.

Smw

Source: Mathematical Reviews,

Vol 11 No. 3

CHEBYSHEV, P. L.

223

Differential Geometry

Chebyshev, P. L. On the cutting of garments. Uspehi Matem. Nauk (N.S.) 1, no. 2(12), 38-42 (1946). (Russian)

A summary appeared in Assoc. Française Avancement Sci. C. R. 7, 154-155 (1878); the full text of the lecture was not published in Chebyshev's collected works. This translation of the French manuscript was published in Arhiv Istarii Nauk i Tehniki Akad. Nauk SSSR 9, 347-352 (1936).

Source: Mathematical Reviews,

Vol 10 No. 2

CHEBYSHEV, P.L.
AMR

Mechanics (Dynamics, Kinematics)

Cited: Chebyshev, P. L., Theory of the mechanisms known by the same parallelogram. With commentary by V. I. Gerasimov, I. I. Artobolevskii, and N. I. Levitskii, and the addition of an essay by I. I. Artobolevskii and N. I. Levitskii on the synthesis of approximate methods in the synthesis of mechanisms according to Chebyshev. [Teoriya mekhanizmykh izvestnykh pod nazvaniem parallelograma. S kommentarii V. I. Gerasimova, I. I. Artobolevskogo, i N. I. Levitskogo. I prilozheniye ot I. I. Artobolevskogo, i N. I. Levitskogo, raznye prilozheniia metody Chebysheva k sintezu mekhanizmykh po Chebyshevu]. Moscow-Leningrad, Izdat. Akad. Nauk SSSR, 1949, 80 pp.

As a contribution to the current Chebyshev revival, his 1853 paper ["Theorie des mécanismes connus sous le nom de parallélogramme," *Mém. Acad. impériale Sci. St.-Petersbourg* 7, 537-546, 1854] has been republished (in no. 1949 Russian translation, "Parallelogram" stands here for "linkage.") No specific applications to linkage are presented in the paper, which is purely mathematical, except for the introduction which shows the technical usefulness of the problem of best approximation. The principle of full oscillation (credited to Foucault) is merely mentioned and applied to some approximation problems by means of power polynomials (34 pp.).

The commentary by Gerasimov (16 pp.) is a popular lecture on the Watt linkage (with puzzling results of details followed by a mention of the credit due to Fairbairn for the principle of full oscillation, a brief and restricted proof of it, and a few examples of best approximation. The commentary of Chebyshev's papers Levitskii (10 pp.) is simply a summary of Chebyshev's papers (with some direct quotations). The appendix by the same two authors is another survey of Soviet work based on Chebyshev's approximations (see Abad. Nauk SSSR Trudy Ser. Ser. Mekh. 4, 16, 5-46, 1948).

CHEBYSHEV, P. L.

USSR.

Prudnikov, V. E. On essays by P. L. Čebyšev, M. V. Ostrogradskii, V. Ya. Bunyakovskii, and I. I. Somov in the "Encyclopaedic dictionary" compiled by Russian scholars and literati. Istor.-Mat. Issled. 6, 223-237 (1953). (Russian)

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CHEBYSHEV, P.I.

Evaluation of the article of Col. Verevkin "Initial velocity of a
projectile" by the adjunct of the Imperial Academy of Sciences. Ist.-
mat.issl. no.6:216-222 '53. (MIRA 7:9)
(Ballistics)

~~CHERYSHEV~~, P.I.; VINOGRADOV, I.M., akademik, redaktor; GEL'FOND, A.O.;
VAVILOV, S.I., akademik, redaktor; PETROVSKIY, I.G., redaktor; BYKOV,
K.M., akademik, redaktor; KAZANSKIY, B.A., akademik, redaktor; GERM-
GENOV, A.V., redaktor; SHMIDT, O.Yu., akademik, redaktor; ANDREYEV,
N.N., akademik, redaktor; SHCHERBAKOV, D.I., akademik, redaktor;
YUDIN, P.F., akademik, redaktor; DELONE, B.N., redaktor; KOSH TOYANTS,
Kh.S., redaktor; SAMARIN, A.M., redaktor; LERREDEV, D.M., professor,
redaktor; FIGUROVSKIY, N.A., professor, redaktor; KUZNETSOV, I.V.,
kandidat filosofskikh nauk, redaktor; AUZAN, N.P., tekhnicheskij
redaktor.

[Selected works] Izbrannye trudy. Otvetstvennyi redaktor I.M.Vino-
gradov. Redaktor-sostavitel' A.O.Gel'fond. Moskva, Izd-vo Akademii
nauk SSSR, 1955. 926 p. (MLRA 8:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Delone, Koshtoyants)
(Mathematics)

CHEBYSHEV, P.V.

AID P - 3437

Subject : USSR/Electricity
Card 1/2 Pub. 27 - 4/32
Authors : Zemlyanoy, M. I., Kand. Tech. Sci., A. A. Minayev,
P. V. Chebyshev, Engs.
Title : Experimental study of waterwheel generator ventilation
Periodical : Elektrichestvo, 10, 13-17, 0 1955
Abstract : The authors present a method of testing experimentally the ventilation of waterwheel generators with an electrothermal anemometer. Because of the small scale of the measuring element, measurements of air velocity and temperature inside the machine and also in the generator rotor are made possible in not easily accessible sections. Instructions are given as to the determination of the total discharge of air in the generator, in the ventilators and across the frontal parts, and also a method of measuring the velocity area inside the radial channels in the

AID P - 3437

Elektrichestvo, 10, 13-17, 0 1955

Card 2/2 Pub. 27 - 4/32

windings zone and in the air gap. Six drawings and
photographs.

Institution : Scientific Research Institute of the Ministry of the
Electrical Industry and All-Union Electrical
Engineering Institute im. Lenin

Submitted : Mr 3, 1955

CH & Bys H2v, P.U. -

10(2) PHASE I BOOK EXPLOITATION SOV/2271

Soveshchaniye po prikladnoy gazovoy dinamike. Alma-Ata, 1956

Trudy (Transactions of the Conference on Applied Gas Dynamics) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1959. 235 p. Errata slip inserted.

Sponsoring Agency: Kazakhskiy gosudarstvennyy universitet imeni S.M. Kirova.

Ed.: V.V. Aleksandriyevskiy, Tech. Ed.: Z.P. Porozhin; Editorial Board: L.A. Yulis (Resp. Ed.), V.P. Kashkarov, T.P. Jent'yevs, and B.P. Ustinov.

PURPOSE: This book should be of interest to scientists and engineers working on problems of applied gas dynamics and may be of use to students.

COVERAGE: This book presents reports and brief summaries of the discussions which took place at the Conference on Applied Gas Dynamics in Alma-Ata in October 1956. The conference was subdivided into three areas of applied gas dynamics: jet flows of fluids and gases, the aerodynamics of heating processes, and the discharge of a fluid. The practical value of the presentations of the conference consists in the development of theory, methods of technical calculation and methods for systematic measurement applied to heating, furnace, and other industrial processes for which, in most cases, aerodynamic phenomena are decisive factors.

Yulis, L.A. Basic Results and Further Problems in the Investigation of Jet-like Motions of Fluids and Gases

Jent'yev, T.P. On the Turbulent Wake Behind a Body in a Two-dimensional Flow

Brief Summary of the Discussions

39

Session of October 24, 1956 (morning)

44

Antonov, O.J. Investigation of the Turbulence Characteristics of a Free Subsonic Jet and on Open Teeth

45

Kashkarov, V.P. On the Motion in the Wake and in Opposite Directions of the Uniform Compressible-gas Flow

55

Leont'yev, S.P. Propagation of Axially Symmetrical Jets in Flows in the Same and in Opposite Directions

62

Bukharin, S.V. Laws of Motion and Laws of Combustion of Carbon

69

Mazarchuk, M.M. and M.I. Pol'skiy. On the Critical Conditions for the Flow of a Viscous Gas in a Plane-parallel Channel

69

Brief Summary of the Discussions

75

Session of October 24, 1956 (evening)

75

Zakharova, M.M. Propagation of an Axially Symmetrical Gas Jet in a Gas Medium of Any Density

77

Chabukava, A.F. Electrothermometers from HgI (All-Union Scientific Institute) and Their Use in the Investigation of Nonisothermal Gas Flows

85

Trofimov, A.T. Investigation of a Semienclosed Jet

100

11

CHEBYSHEV, P.V

PLAGE I BOOK EXHIBITION 507/5290

Sovetskaya nauka po prikladnoy gazovoy dinamike. Alma-Ata, 1956

Trudy Sovetskoy nauki po prikladnoy gazovoy dinamike, 8. Alma-Ata, 23-26 oktyabrya 1956 g. (Transactions of the Conference on Applied Gas Dynamics, Held in Alma-Ata, 23-26 October 1956) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1956. 223 p. Errata slip inserted. 900 copies printed.

Sponsoring Agency: Akademiya nauk Kazakhskoy SSR. Kazakhskiy gosudarstvennyy universitet imeni S.M. Kirova.

Editorial Board: Resp. Ed.: L.A. Fells; V.P. Koshkarov; T.P. Leont'yeva and B.P. Ustinenko. Ed.: V.V. Aleksandriyskiy. Tech. Ed.: Z.P. Borokina.

PURPOSE: This book is intended for personnel of scientific research institutes and industrial engineers in the field of applied fluid mechanics, and may be of interest to students of advanced courses in the field.

Transactions of the Conference (Cont.)

507/5290

COVERAGE: The book consists of the transcriptions of 31 papers read at the conference on gas dynamics which was convened under the initiative of the Kazakhskiy gosudarstvennyy universitet imeni S.M. Kirova (Kazakh State University imeni S.M. Kirov) and the Institut energetiki Akademii nauk Kazakhskoy SSR (Institute of Power Engineering of the Academy of Sciences Kazakhskoy SSR) and held October 23-26, 1956. Three branches of applied gas dynamics were discussed, namely: jet flow of liquids and gases, aerodynamics of turbine processes, and the outflow of liquids. The practical significance of the "transcriptions" of the conference consists in the adaptation of theory to the methods of technical computation and measuring methods relative to industrial furnaces and other industrial processes in which aerodynamic phenomena play a predominant role. Eight papers read at the conference were not included in this collection for various reasons. The subjects of the missing papers are: L.D. Lyov (Thermal and Aerodynamic Characteristics of Pulverized Coal Flame Burners) and A.I. Gerasimov (Outline and Physical Models of the Jet Motion Mechanisms of Fluids); M.I. Anzurov, Ye. P. Bogdanov, S.Y. Bukhman, T.K. Kirovskiy, A.B. Krasovskiy and G.V. Yakobov. L.O. Loytymnitskiy is mentioned as being in charge of a department of the Kazakh State University, and I.D. Malukhov, Candidate of Physical and Mathematical Sciences, Docent, as a member of the same university. References are found at the end of

Session of October 24, 1956 (Morning)

Antonova, G.S. Investigating Turbulence Characteristics of a Free Konisothermal Jet and an Open Flare

15

Kachkarov, V.P. [Candidate of Physical and Mathematical Sciences]. On Parallel and Contrary Motion of Two Uniform Flows of Compressible Gas

55

Transactions of the Conference (Cont.)

507/5290

Leont'yeva, T.P. [Candidate of Technical Sciences]. Expansion of Axially Symmetrical Jets in Parallel and Contrary Flows

62

Bukhman, S.V. Regularity of Motion and Combustion of Coal Particles

69

Kazanchub, M.M., and N.I. Polakly. On the Crises in the Viscous Flow of Gas in a Plane Parallel Channel

69

Contents of the Discussion in Brief

75

Session of October 24, 1956 (Evening)

Terebikhin, N.K. Expansion of an Axially Symmetrical Jet of Gas in a Medium of Different Density

77

Chebyshev, P.V. [Vsesoyuznyy elektrotexnikheskiy institut (All-Union Electrotechnical Institute)]. Electrothermometers and Their Use in Investigating Konisothermal Gas Flows

85

Card 2/2

L 45065-66

ACC NR: AT6023759

SOURCE CODE: UR/3149/66/000/003/0211/0231

AUTHOR: Chebyshev, P. V.

ORG: All-Union Electrotechnical Institute im. V. I. Lenin (Vsesoyuznyy elektrotekhnicheskiy institut)

TITLE: Investigation of the characteristics of electrothermoanemometers using a hermetically sealed rotary machine

SOURCE: Alma-Ata. Kazakhskiy nauchno-issledovatel'skiy institut energetiki. Problemy teploenergetiki i prikladnoy teplofiziki, no. 3, 1966, 211-231

TOPIC TAGS: anemometer, test method

ABSTRACT: The hermetically sealed rotary machine (diagram shown) was an electromechanical unit which made it possible to put the assembly of an electrothermoanemometer into a closed space filled with a gas or a mixture of gases of a given composition, at a given temperature and pressure, and to put the assembly into rotation at such a rate that its working element (filament or filaments), remaining at a given angle to the direction of its movement, was displaced in the closed space at a given peripheral velocity. A series of tests carried out with mixtures

Card 1/2

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ACC NR: AT6023759

2

of hydrogen and nitrogen showed that the composition of the mixture has a strong effect on the characteristics of the electrothermoanemometer. Detailed experimental results are exhibited in a series of curves. Conclusions can be summarized as follows: 1) measurements were made with the aid of an electrothermoanemometer of the rate of gas flows with different pressures and composition of the gases and gas mixtures, with heating and cooling; 2) investigation of the characteristics of the electrothermoanemometer at different settings of the temperature compensation (PK- 12, 9, 6, 3, and 0) for air and nitrogen showed that PK-12 is applicable for a standard ETAM-3A packing when $U \cdot P > 4$ meters/sec-kg-cm², and that the selection of lower values of PK assures the independence of the reading with respect to the temperature only within a narrow range; 3) calibration of the electrothermoanemometer in nitrogen-hydrogen mixtures at PK-12, 9, 6, and 3; $t = 20-140^{\circ}\text{C}$; $P = 1-3$ atm (abs), and $U = 0.01-50$ meters/sec, showed that the composition has a strong effect on the distribution of the characteristic $i = f(U \cdot P)$, but has only a slight effect on the form of the characteristics themselves; 4) the stationary current of an electrothermoanemometer in a nitrogen-hydrogen mixture is a monotonic function of the composition of the mixture and the pressure; 5) further studies should be made of the compensation temperature in different gases, and the influence of moisture on the readings of the electrothermoanemometer. Orig. art. has 15 figures and 1 table.

SUB CODE: 04, 20 SUBM DATE: none/ ORIG REF: 011
Card 2/2 _{big}

CHEBYSHEV, Yu., starshiy leytenant

Ambassador of the soldiers of Kamchatka. Starsh.-serzh. no.4:4
Ap '62. (MIRA 15:4)
(Communist Youth League)

1. CHEBYSHEVA, F.V.
2. USSR (600)
4. Mammals
7. First lessons in the study of mammals. Est.v shkole no.6, 1952

Page
1684

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

CHESYSHEVA, P.V., uchitel'nitsa.

Organisation of nature studies in a pioneer camp. Est. v shkole no.3:68-73
My-Je '53. (MLRA 6:5)

1. Shkola no. 228 goroda Moskvy.

(Nature study)

Chebysheva, K. V.

KISINA, L. A., and K. V. CHEBYSHEVA.

O moshchnosti raskhoduemoi na vrashchenie diskov v potoke. (TSAGI. Trudy, 1935, no.211, p. 166-174, illus., diagrs.)

Summary in English: p. 288.

Title tr.: Friction losses in rotation discs.

QA911. M65 no.211

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

CHEBYSHEVA, K. V.

K voprosu o raschete labirintnogo uplotneniia. Moskva, 1937. (TSAGI.
Tekhnicheskie zametki, no. 142)

Title tr.: The problem of calculating labyrinth packings.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

CHEBYSHEVA, K.V.
KOROLEV, P.P., and K.V. CHEBYSHEVA.

Ekspperimental'noe issledovanie napravlia-iushchikh apparatov, sozdaiushchikh zakruchennyi potok. Moskva, 1939. 52 p., illus., tables. diagrs. (TSAGI, Trudy, no. 405)

Title tr.: Experimental investigation of directing devices for creation of spiral air flow.

QA911.M65 no. 405

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

BYCHKOV, A.G., kand. tekhn. nauk, referent; CHEBYSHEVA, K.V., inzh.

High capacity fan (from "Proceedings of the Australian Institute
of Mining and metallurgy" no. 178, 1956). Gor. shur. no. 12:51-52
D '58. (MIRA 11:12).

(Australia--Mine ventilation)
(Fans, Mechanical)

CHЕ BY SHEVA, K.V.

13(1) FASE I BOOK EXPLORATION 197/269

Ventil'nyy zavodostroyeniye (Ventilators and Air Ducts) Moscow, Goststanda, 1979. 289 p. (Series: Proektsionnyye zavodostroyeniye, Serial No. 12)
Number of copies printed not given.

Ed. (Title page): K.A. Dezhnev, Professor; Ed. (Inside book): A.S. Gerasimov, Candidate of Technical Sciences; Ed. (Publishing House): E.A. Gerasimov, Tech. Ed.: I.M. Zhukovskiy, Managing Ed.: A.S. Zayarnykh, Engineer.

PURPOSE: This book is intended for engineers, technicians and scientific workers specializing in the field of industrial aerodynamics and ventilation.

CONTENTS: This collection of 13 articles deals with problems of ventilation technology. Results of experimental and theoretical investigations of the aerodynamic characteristics of axial and centrifugal fans are presented. Some designs of new, highly economical centrifugal fans are presented and the drag coefficients of various ducts and diffusers are calculated. References follow most articles.

6. Korolchenko, V.A. and K.V. Chebycheva. Regulation of Centrifugal Fans with Turbine Guide Vanes. 70
The article presents experimental materials on regulating centrifugal fans by means of axial and simplified guide apparatus. On the basis of these materials and data of flow investigations behind upstream and downstream guide vanes and centrifugal impellers, a method for calculating the characteristics of fans with axial guide vanes is elaborated.

7. Gerasimov, E.A. Centrifugal Fan Volume Regulation by Changing the Passage Section of the Inlet or of the Body. 110
The author describes investigations of fan model 744-70 with flat inclined blades developed by TSIOT. This fan has good aerodynamic characteristics and is now mass-produced as a general purpose fan. Comparative results of tests are given.

8. Grubov, A.D., I.L. Iokhida, and P.O. Muzayants. New Types of TSIOT Centrifugal Fans. 115
This article describes ten types of new centrifugal fans. These fans were designed by TSIOT in 1956-1957 and have a high efficiency coefficient 0.75-0.85. It is suggested that some of them might replace less efficient fans now in production. The article states that 120,000 fans of this type are currently produced in the USSR per year and operation of these fans requires 800,000 kW.

9. Gerasimov, E.A. and Ye.Ye. Bolodkin. Aerodynamic Characteristics of the Inlet Section of a Circular Section Duct During Turbulent Flow in the Boundary Layer. 139
The authors describe an approximate method for calculating the turbulent boundary layer in the initial sector of an annular duct taking account of the influence of the transverse curvatures of the inlet and outlet walls on the concave surfaces of given radius on the shape of the velocity profile and on other characteristics of the turbulent flow.

10. Bolodkin, Ye.Ye. and A.S. Gerasimov. The Influence of Initial Turbulence on the Characteristics of Flow in a Duct. 150
Results of a theoretical investigation of the influence of initial turbulence on the characteristics of flow in the inlet section of a plane diffuser with straight walls are presented. The authors show that the coefficient of full pressure losses, efficiency coefficient, maximum degree of diffuser expansion, etc.

LOKSHIN, I.L.; CHEBYSHEVA, K.V.

The TS-97/2 centrifugal two-way fan designed by the Central
Aero-Hydrodynamic Institute. Prom.aerodin. no.21:76-87 '62.

(MIRA 15:4)

(Fans, Mechanical)

CHEBYSHEVA, L.

Nikolai Smustrov and his friends. Okhr. truda i sots.
strakh. 3 no. 10:24-28 0 '60. (MIRA 13:11)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i
sotsial'noye strakhovaniye."
(Moscow--Building--Safety measures)

SIMONOV, A.M.; POZHARSKIY, F.T.; CHEBYSHEVA, L.L.

Substituted amides of furancarboxylic acids. Izv.vys.ucheb.zav;
khim.i khim.tekh. 4 no.5:798-800 '61. (MIRA 14:11)

1. Rostovskiy gosudarstvennyy universitet, kafedra organicheskoy
khimii.

(Amides)

(Furoic acid)

CHEBYSHOVA, L.M.

30518

8/138/62/000/006/001/008
A051/A126

15.9205

AUTHORS: Borisov, S.N., Karlin, A.V., Chudsova, L.M., Onil-Ogly, P.A.,
Chebysheva, L.M.

TITLE: Properties of ethylphenylsiloxane rubbers

PERIODICAL: Kauchuk i rezina, no. 6, 1962, 3 - 6

TEXT: The relation between the methylphenylsiloxane ring content in rubbers and their optimum frost resistance was determined by producing and investigating polymers containing from 2 to 10 mol % of the methylphenylsiloxane rings. Optimum frost resistance was found in rubbers based on polymers and containing 8 mol % methylphenylsiloxane rings. The substitution of the latter with diethylsiloxane rings yields elastomers with the following characteristics: a) the ability to vulcanize with lesser quantities of benzoyl peroxide and with weak vulcanizing agents, such as dicumyl peroxide; b) a higher resistance to accumulation of residual deformations after compression; c) resistance to destruction in closed systems. A study of synthesized ethylphenylsiloxane elastomers showed that they combine the advantages of both the diethylsiloxane and methylphenylsiloxane elas-

Card 1/2

Properties of....

S/178/62/000/006/001/008
A051/A126

tomers. They vulcanize with a lesser quantity of benzoyl peroxide and dicumyl peroxide, as compared to the methylphenylsiloxane rubbers. They have a higher resistance to destruction in closed systems and regeneration capacity after simultaneous action of elevated temperatures and loads. The rubbers based on the ethylphenylsiloxane polymers are equal to the methylphenylsiloxane rubbers in their thermal and frost resistance, within a temperature range of -100 to +250°C. The properties of ethylphenylsiloxane rubbers are improved by substituting the Y-333 (U-333) silica gel with the more active EC-280 (BS-280). There are 2 tables and 3 figures.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S.V. Lebedeva i Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (All-Union Scientific Research Institute of Synthetic Rubber im. S.V. Lebedev and the Scientific Research Institute of the Rubber Industry)

Card 2/2

DOLGOPLOSK, S.B.; CHEBYSHEVA, L.M.; KLEBANSKIY, A.L.; SHVARTS, Ye.Yu.;
FOMINA, L.P.

Some properties of rubbers made from siloxane polymers containing
arylene links in the principal chain. Kauch. i rez. 22 no.9:
1-2 S '63. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteti-
cheskogo kauchuka im. S.V. Lebedeva.

L 54626-65

EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 RM

ACCESSION NR: AP5017441

UR/0138/64/000/010/0001/0007

AUTHOR: Galil-Ogly, F. A.; Chebysheva, L. M.TITLE: Properties and use of cured rubbers from silicone raw rubbers

SOURCE: Kauchuk i rezina, no. 10, 1964, 1-7

TOPIC TAGS: rubber

ABSTRACT: Silicone rubbers are widely used in view of their high thermal stability (up to +250-300°C) and frost resistance (down to -55 to -100°C), high electrical insulation properties, stability to atmospheric influences, exceptional water-repelling properties, and physiological inertness. They are produced by hydrolysis of dialkyldichlorosilane, followed by polycondensation of the hydrolysis products in the presence of acid or basic catalysts. The molecular weight determines the technological properties of the mixtures and strength properties of the cured rubbers; optimum: 500,000-800,000. Silicone rubbers are colorless, odorless, practically do not liberate volatile products up to +160°C, and are nontoxic. Specific gravity 0.98; vitrification point 130°C; crystallization point about -65°C. The article gives a broad description of the properties of rubbers from domestic dimethyl-

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L 54626-65

ACCESSION NR: AP5017441

siloxane rubber SKT and vinyl methylsiloxane rubbers SKTV and SKTV-1, since all other modifications of siloxane rubber differ from them in some single specific property. The effects of fillers, stabilizers of the crude mixtures, stabilizers of the vulcanizates, contaminants, and scheme of vulcanization is discussed. The three rubbers are compared in resistance to thermal aging, frost resistance, resistance to thermal cycling, dielectric properties, inertness to chemical and physiological agents, weather resistance, and radiation stability. Uses of silicone rubbers: molded objects, such as gaskets, insulation plates, water repellent for fabrics, etc. are described. The uses of low-molecular liquid rubbers, vulcanized in the cold, are mentioned.
Orig. art. has: 2 formulas, 7 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Scientific Research Institute of the Rubber Industry)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NR REF SOV: 007

OTHER: 013

JPRS

Card 2/2

CHEBYSHEVA, N. A. and MARSHALOVA, S. D.

"Literature on I.P.Pavlov Published in 1949-1951," Fiz. Zhur., 37, No.5, 1951
Edited by D.A.Biryukov.

CHEBYSHEVA, IV. A.

1. PAVLOV, I. P.; DANILOV, I. V.; CHEBYSHEVA, N. A.

2. USSR 600

4. Physiologists

7. Unknown speech of I. P. Pavlov, I. V. Danilov, N. A. Chebysheva, Fiziol. zhur, 38, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

CHEBYSHEVA, N.A.; BOBROVSKIY, L.V.

Literature relating to Pavlov 1949 - 52. J.Physiol.USSR '52. 38,655-670.
(BA - AIII Ap '53:441) (MLRA 5:11)

CHEBYSHEVA, N.A.; BIRYUKOV, D.A., professor, chlen-korrespondent [editor].

Literature on I.P.Pavlov published during the period May 1952-April 1953.
Fiziol.smr. 39 no.5:650-661 S-O '53. (MLRA 6:10)

1. Akademiya meditsinskikh nauk SSSR (for Biryukov). 2. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Muzey akad. I.P.Pavlova.
(Bibliography--Pavlov, Ivan Petrovich, 1848-1936)
(Pavlov, Ivan Petrovich, 1848-1936--Bibliography)

CHEBYSEVA, N.A.

I.P.Pavlov's election as an honorary member of the Leningrad Section of the Russian Society of Pathologists. Fiziol.shur. 39 no.5:675 S-0 '53.

(MLRA 6:10)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR,
Muzei akad. I.P.Pavlova. (Pavlov, Ivan Petrovich, 1849-1936)

USSR/Biology - Physiology CHEBYSHEVA, N. A.

FD-2287

Card 1/1 Pub 33-18/18

Author : ~~Chebysheva, N. A.~~ Edited by Prof. D. A. Biryukov, Corresponding Member of the Academy of Medical Sciences of the USSR.

Title : Literature of I. P. Pavlov, published during the period from May 1953 through April 1954.

Periodical : Fiziol. zhur. 40, 638-652, Sep-Oct 1954

Abstract : A bibliography of literature of the following: I. P. Pavlov, his biography and teachings; works on the basic medical sciences and agriculture; reports on International Congresses, work of the Academy of Sciences, Academy of Medical Sciences, Academy of Pedagogical Sciences (USSR), conferences on problems of higher nervous activity; activities of Republic Academies of Science, scientific societies, universities, and institutes; and teachings of I. P. Pavlov in People's Democracies. The bibliography consists of literature published during the period from May 1953 through April 1954.

Institution: Institute of Experimental Medicine of the Academy of Sciences of the USSR, Academician I. P. Pavlov Museum

Submitted : --

CHEBYSHEVA, N.A.

I.P. Pavlov and courses for sanitary physicians in 1902. Gig. i san.
21 no.11:44-45 N '56. (MLRA 10:2)

1. Is Instituta eksperimental'noy meditsiny AMN SSSR.
(SANITATION, hist.
Pavlov's courses)

CHEBYSHEV, N.V.; KOROLEV, V.V.; SHUTOVA, V.S.

Effect of vitamin B₁₂ on the pathogenesis of the early stages of
ascariasis. Trudy 1-go MMI 41:97-101 '65.

(MIRA 18:12)

CHEBYSHEV, N.V.

Effect of vitamin B₁₂ on the number of migratory ascarid
larvae in laboratory animals. Trudy 1-go MMI 41:102-105
'65. (MIRA 18:12)

CHEBYSHEVA, V., kandidat pedagogicheskikh nauk.

Individual characteristics of students and the development of swift working
habits. Prof. -tekh.obr. 11 no.1:13-16 '54. (MLRA 7:6)
(Motion study) (Efficiency, Industrial)

CHEBYSHOVA, V.V.

GUR'YANOV, Ye.V.; OSHANIN, D.A.; CHEBYSHOVA, V.V.

Current status and problems of the psychology of work.

Vop.psikhol. 3 no.3:3-14 My-Je '57.

(MLRA 10:8)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR,
Moskva.

(Work) (Psychology)

• ~~CHEBYSHEVA, V.~~

GONOBOLIN, P.; CHEBYSHEVA, V.

Meeting devoted to the psychology of work. Sots.trud no.6:147-150
Je '57. (MIRA 10:7)

(Work)

CHEBYSHEVA, V.V.

~~Work of psychologists in Finland. Vop.psikhol. 4 no.3:135-138~~
My-Je '58 (MIRA 11:8)
(FINLAND--PSYCHOLOGY)

CHEBYSHEVA, V.V.

Some problems in the psychology of industrial education. Vop.
psikhol. 5 no.2:42-52 M-Ap '59. (MIRA 12:6)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR,
Moskva.

(Employees, Training of)
(Psychology, Industrial)

CHEBYSHEVA, V.V.; GALKINA, O.I.; ZYUBIN, L.M.

Vocational guidance of secondary school pupils. Vop.psikhol.
5 no.5:29-39 S-O '59. (MIRA 13:3)

1. Institut psikhologii AN SSSR, Moskva (for Chebysheva).
2. Leningradskiy nauchno-issledovatel'skiy institut pedagogiki
APN RSFSR (for Galkina, Zyubin).
(Vocational guidance)

LEYTES, N.S. (Moskva); CHEBYSHEVA, V.V. (Moskva)

Psychology conference in Gorkiy. Vop. psikh. 8 no.3:188-189
My-Je '62. (MIRA 15:6)

(Psychology--Congresses)

CHEBYSHEVA, V.V.

Psychology of work in Poland. Vop.psikhol. no.6:168-172 M-D
'62. (MIRA 16:2)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR,
Moskva.

(Poland—Psychology, Applied)

CHEBYSHEVA, V.V.

Some specific aspects of mental problems in the performance of workers. Vop. psikhol no.3:99-108 My-Je '63. (MIRA 17:2)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva.

CHEBYSHEVA, V. V.

"Nekotorye osobennosti myslitel'nykh protsessov v trude rabochikh."

report submitted for 15th Intl Cong, Intl Assn of Applied Psychology, Ljubljana, Yugoslavia, 2-8 Aug 1964.

Moskovskiy universitet.

89758

S/169/61/000/002/011/039

A005/A001

9.9110 (also 1041, 1046)

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 2, p. 22, # 2653

AUTHORS: Checha, V. A., Zelenkov, V. Ye.

TITLE: The Drift of Inhomogeneities in the Ionosphere Observed at the
Tomsk Ionospheric Station

PERIODICAL: V sb.: "Dreyfy i neodnorodnosti v ionosfere", No. 1, Moscow, AN SSSR,
1959, pp. 50-59 (English summary) ✓

TEXT: Results are presented of observations of the drift of inhomogeneities in the layers E, F2, E_s of the ionosphere; the observations were conducted by the method of the spaced reception with a small base at Tomsk in the period from September 1957 to May 1958. The data were processed in the main by the method of similar fadings; one succeeded in the processing of about 40% of the records. It was obtained that the most probable value of the velocity is 60 - 80 m/sec for the E-layer, and 80 - 120 m/sec for the F2-layer; in autumn and winter, the velocity of drift is higher than in spring. Monthly histograms are presented of the magnitude and direction of the velocity of drift for the layers E and F2, and also graphs are given of the dependence of the north-south- and east-west-

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The Drift of Inhomogeneities in the Ionosphere Observed at the Tomsk Ionospheric Station

components of the drift velocity on the hour of the day. The statistical processing showed that the 12-hour component predominates for the E-layer, but in the F2-layer a 24-hour component exists besides the 12-hour one. The drift velocity increases for both layers with increasing magnetic activity. From the records of fadings, the parameters were determined which characterize the statistical inhomogeneity of the ionosphere (the degree of turbidity β , the velocity of chaotic motions v_0 , the mean dimension of inhomogeneities ξ_0). Values of β were found greater in the E-region than in F2, whereat in the rule, β is greater for slow fadings. Most often were found: for the E-layer $v_0 = 3-4$ m/sec, for the F2-layer $v_0 = 6.7$ m/sec; in the E-region $\xi_0 \sim 500-1,500$ m, in the F2-region 300-400 m. A part of the records which were processed by the correlation method, yielded results well agreeing with the results from the similarity method. An electronic correlator for the processing of records of fadings is described; it yields at its output the correlation function. There are 12 references.

E. Kazimirovskiy

Translator's note: This is the full translation of the original Russian abstract.
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9.9842 (1041, 1046, 1060)

89077
S/169/61/000/001/004/011
A005/A001

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 1, p. 6, # 1G39

AUTHORS: Pilonenko, V. A., Checha, V. A., Zelenkov, V. Ye., Vyshlov, V. P.

TITLE: The Determination of the Horizontal Speed of Motion of Ionospheric Heterogeneities From Recordings of Fadings at Three Spaced Points

PERIODICAL: "Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te", 1959, No. 37, pp. 384-387

TEXT: Results are presented of observations of the drifts of heterogeneities in the ionosphere, which were carried out by the ionospheric laboratory of the Siberian Physicotechnical Institute in the period from September 1957 to March 1958 according to the program of the IGY. The equipment for measuring the drift rate by the method of spaced reception with small base is briefly described. The processing of the recordings was carried out in the main by the "similar fading" method. It is shown that, as a rule, the speeds in the F2-layer (100-120 m/sec) are higher than the speeds in the E-layer (80-90 m/sec). For both layers, the speeds are higher in winter than in autumn. During magnetic storms, the drift speed considerably increases, particularly sharply in the F2-layer. It is shown

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The Determination of the Horizontal Speed of Motion of Ionospheric Heterogeneities
From Recordings of Fadings at Three Spaced Points

that the drift speeds have regular diurnal and seasonal regularities. For the E-layer, the north component of the speed has in autumn a constant component of about 30 m/sec directed northwards, and in winter of about 40 m/sec directed southwards. The east component has in autumn a constant component of about 25 m/sec directed eastwards. For the F2-layer, the meridional component is directed northwards in autumn (about 50 m/sec), and southwards in winter (about 30 m/sec). The latitude component is directed westwards in autumn (25 m/sec), in winter it has no predominant direction. The harmonic analysis of the speeds showed that in the E-layer the 12-hours-component predominates, and in the F2-layer, fluctuations with the 24-hours period are observed besides half-diurnal fluctuations.

E. Kazimirovskiy

Translator's note: This is the full translation of the original Russian abstract.

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41085

S/058/62/000/008/110/134
A160/A101

9.9100

AUTHORS:

Checha, V. A., Zelenkov, V. Ye.

TITLE:

Ionospheric drifts in the F₂ layer over Tomsk during the International Geophysical Year and the International Geophysical Cooperation

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 8, 1962, 28, abstract 8Zh204
("Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te", no. 38, 1960, 23 - 29)

TEXT:

Presented are data of observations conducted on the drifting of small-scale irregularities of the ionization density at the ionospheric station of the Sibirskiy fiziko-tekhnicheskiy institut (Siberian Physicotechnical Institute) from September 1957 to February 1960. The observations were carried out by the method of spaced reception with a small base (100 m). Histograms on the magnitude and the direction of the velocity of drifting in relation to the time of the day and to the seasons are presented. The diversity of the drifting directions for any time of the day is considerable; however, during daytime and

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evening hours, it is higher. The main drifting directions in relation to the seasons are more definitely pronounced. A wide range of values of the magnitude of the drifting velocity (20 - 500 m/sec) is observed at any time of the day, whereby high velocities are caused by the presence of perturbations in the ionosphere. The most probable velocities are within the ranges 40 - 80 m/sec in the morning and during the night, 120 - 140 m/sec by day, and 60 - 100 m/sec in the evening. The magnitudes of the velocities in relation to the seasons vary within a wide range. The most probable velocities in winter, summer and fall are 60 - 80 m/sec, and in spring - 40 - 60 m/sec. Presented are graphs of diurnal variations of the north-southern and east-western component of the wind velocity for each season.

[Abstracter's note: Complete translation]

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L0695

S/169/62/000/008/062/090
E032/E114

9.9100

AUTHOR: Checha, V.A.

TITLE: Correlational method of calculating the parameters of the nonhomogeneous ionosphere

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 3, abstract 8 G 17. (In the Symposium: Ionosfern. issledovaniya, no.9' ('Ionosphere Studies no.9'), M., AN SSSR, 1961, 32-39). (summary in English)

TEXT: An expression is reported for the time self-correlation of the function representing the square of the envelope of the signal reflected from an irregular ionosphere during vertical sounding. The expression holds when the field at the point of reception is due to the superposition of coherently reflected waves and the sum of a large number of waves reflected incoherently by ionisation irregularities which drift along the line of sight with random velocities distributed in accordance with the Gaussian law. In this connection it is noted that when the coherently reflected part of the signal is taken into account, the root mean square velocities of the random motion of the irregularities (v_0)

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along the line of sight turn out to be somewhat larger as compared with the case when this part of the signal is ignored. An analysis is also given of the expression for the spatial self-correlation of the square of the signal amplitude when the amplitude fading recorded with separated antennas is due to diffraction scattering of radio waves by ionisation irregularities. It is assumed that in the plane of reception the signals form a group of waves of frequency ω which is highly concentrated relative to some central direction corresponding to the angle of arrival of a regularly reflected wave. The formula is used to calculate the average angles of arrival of scattered waves (Θ_0) in the case of vertical incidence on the ionosphere, and also to estimate the dimensions of the ionospheric irregularities (ξ_0). Analysis of the corresponding formulas showed that Θ_0 and ξ_0 turn out to be somewhat larger as compared with the values obtained when the above part of the signal is not taken into account. Computations of v_0 , Θ_0 and ξ_0 using the formulas given in this paper and the corresponding relationships reported by other workers showed a considerable discrepancy between the two

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sets of figures.

[Abstractor's note: Complete translation.]

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